

# \* Examiner amendment changes

## WHAT IS CLAIMED IS:

1. An information processing apparatus comprising:  
first recording controlling means for recording  
moving images;

first detecting means for detecting scene changes  
in said moving images recorded by said first recording  
controlling means;

second recording controlling means which, if scene  
changes are detected from said moving images by said  
first detecting means, then records still images  
corresponding to the detected scene changes together with  
time stamps pertaining to the recorded still images;

third recording controlling means which, if no  
still image is recorded by said second recording  
controlling means over a predetermined time period, then  
records still images at predetermined intervals based on  
said moving images together with time stamps pertaining  
to the recorded still images;

first playback controlling means for playing back  
said moving images recorded by said first recording  
controlling means; and

second playback controlling means for playing back  
the recorded still images in a display window at relative  
distances to one another proportional to differentials

between said time stamps.

2. An information processing apparatus comprising:

first recording controlling means for recording moving images;

first detecting means for detecting scene changes in said moving images recorded by said first recording controlling means;

second recording controlling means which, if scene changes are detected from said moving images by said first detecting means, then records still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images;

third recording controlling means which, if the number of scene changes detected by said first detecting means over a predetermined time period is judged excessively large, then records still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images;

first playback controlling means for playing back said moving images recorded by said first recording controlling means; and

second playback controlling means for playing back the recorded still images in a display window at relative

distances to one another proportional to differentials between said time stamps.

3. An information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images;

if no still image is recorded in said second recording step over a predetermined time period, then thirdly recording still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images;

firstly playing back said moving images recorded in said first recording step; and

secondly playing back the recorded still images in a display window at relative distances to one another proportional to differentials between said time stamps.

4. An information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images;

if the number of scene changes detected in said first detecting step over a predetermined time period is judged excessively large, then thirdly recording still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images;

firstly playing back said moving images recorded in said first recording step; and

secondly playing back the recorded still images in a display window at relative distances to one another proportional to differentials between said time stamps.

5. A <sup>computer readable</sup> storage medium on which is written an information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

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if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images;

if no still image is recorded in said second recording step over a predetermined time period, then thirdly recording still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images;

firstly playing back said moving images recorded in said first recording step; and

secondly playing back the recorded still images in a display window at relative distances to one another proportional to differentials between said time stamps.

6. A <sup>computer readable</sup> storage medium on which is written an information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the

recorded still images;

if the number of scene changes detected in said first detecting step over a predetermined time period is judged excessively large, then thirdly recording still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images;

firstly playing back said moving images recorded in said first recording step; and

secondly playing back the recorded still images in a display window at relative distances to one another proportional to differentials between said time stamps.

7. A <sup>computer readable storage medium having a</sup> program constituting an information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images;

if no still image is recorded in said second recording step over a predetermined time period, then

thirdly recording still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images;

firstly playing back said moving images recorded in said first recording step; and

secondly playing back the recorded still images in a display window at relative distances to one another proportional to differentials between said time stamps.

8. A program constituting an information

processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images;

if the number of scene changes detected in said first detecting step over a predetermined time period is judged excessively large, then thirdly recording still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images;

firstly playing back said moving images recorded in said first recording step; and

secondly playing back the recorded still images in a display window at relative distances to one another proportional to differentials between said time stamps.

9. An information processing apparatus comprising:

first recording controlling means for recording moving images;

first detecting means for detecting scene changes in said moving images recorded by said first recording controlling means;

second recording controlling means which, if scene changes are detected from said moving images by said first detecting means, then records still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images; and

third recording controlling means which, if no still image is recorded by said second recording controlling means over a predetermined time period, then records still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images.

10. An information processing apparatus comprising:



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first recording controlling means for recording moving images;

first detecting means for detecting scene changes in said moving images recorded by said first recording controlling means;

second recording controlling means which, if scene changes are detected from said moving images by said first detecting means, then records still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images; and

third recording controlling means which, if the number of scene changes detected by said first detecting means over a predetermined time period is judged excessively large, then records still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images.

11. An information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly

recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images; and

if no still image is recorded in said second recording step over a predetermined time period, then thirdly recording still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images.

12. An information processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images; and

if the number of scene changes detected in said first detecting step over a predetermined time period is judged excessively large, then thirdly recording still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images.

13. A <sup>computer readable</sup> storage medium on which is written an information processing method comprising the steps of:

- firstly recording moving images;
- firstly detecting scene changes in said moving images recorded in said first recording step;
- if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images; and
- if no still image is recorded in said second recording step over a predetermined time period, then thirdly recording still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images.

14. A <sup>computer readable</sup> storage medium on which is written an information processing method comprising the steps of:

- firstly recording moving images;
- firstly detecting scene changes in said moving images recorded in said first recording step;
- if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the

recorded still images; and

if the number of scene changes detected in said first detecting step over a predetermined time period is judged excessively large, then thirdly recording still images that are fewer than the detected scene changes and based on said moving images, together with time stamps pertaining to the recorded still images.

15. *computer readable storage medium having a*  
A program constituting an information

processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving images recorded in said first recording step;

if scene changes are detected from said moving images in said first detecting step, then secondly recording still images corresponding to the detected scene changes together with time stamps pertaining to the recorded still images; and

if no still image is recorded in said second recording step over a predetermined time period, then thirdly recording still images at predetermined intervals based on said moving images together with time stamps pertaining to the recorded still images.

16. *computer readable storage medium having a*  
A program constituting an information

processing method comprising the steps of:

firstly recording moving images;

firstly detecting scene changes in said moving  
images recorded in said first recording step;

if scene changes are detected from said moving  
images in said first detecting step, then secondly  
recording still images corresponding to the detected  
scene changes together with time stamps pertaining to the  
recorded still images; and

if the number of scene changes detected in said  
first detecting step over a predetermined time period is  
judged excessively large, then thirdly recording still  
images that are fewer than the detected scene changes and  
based on said moving images, together with time stamps  
pertaining to the recorded still images.

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